





the 1990s, the number of people in the world who are under 15 years of age is expected to increase by 1.5 billion, from 1.1 billion in 1990 to 2.6 billion in 2010. The number of people aged 65 and over is expected to increase by 1.1 billion, from 0.3 billion in 1990 to 1.4 billion in 2010. The number of people aged 15-64 is expected to increase by 1.1 billion, from 2.7 billion in 1990 to 3.8 billion in 2010. The number of people aged 65 and over is expected to increase by 1.1 billion, from 0.3 billion in 1990 to 1.4 billion in 2010. The number of people aged 15-64 is expected to increase by 1.1 billion, from 2.7 billion in 1990 to 3.8 billion in 2010.



North American News

# Predictions raise spectre of teacher shortage

from Clive Cookson

WASHINGTON  
The United States is heading toward another shortage of new teachers. Faculty members at colleges of education are beginning to think so, and so are many, but not all, educational statisticians.

Two bodies produce national statistics of teacher supply and demand, the government's National Centre for Education Statistics and the National Education Association (NEA). Both agree that at present there is still a large surplus of would-be school teachers, as there has been since about 1970.

The union's survey for 1979, just published, shows that the number of graduates who completed training for elementary and secondary teaching last year was 173,000. The total has been declining steadily from the all-time high of 317,000 in 1972. But the demand for new teachers has tumbled just as fast

because of the falling school age population. The NEA says that about 77 per cent of those trained to teach will actually look for teaching jobs — 133,500 graduates altogether. They will be competing for only 74,750 vacant positions.

The association's statisticians foresee a substantial upturn in the number of teaching jobs from 1983, as elementary school enrolments begin to increase again. They now find themselves in a minority position in maintaining that teacher supply will remain above demand at least until 1988, when their projections stop. Nevertheless the NEA is no longer stating as boldly as it did two years ago that the supply of new teachers will be ample to fill all vacancies until the year 2000.

The National Centre for Education Statistics released new projections this summer, which show demand outstripping supply in 1985. According to the centre, supply will be only 80 per cent of demand by

1988. Just two years ago the American Association of State Colleges and Universities described a forecast of shortage by the late 1980s, made then by a private research organization, as "against all conventional wisdom". Now it is the no-shortage forecasters like the NEA, who go against conventional wisdom.

Many professors in teacher training institutions believe that there are already too few new teachers in many fields and quite a serious shortage of mathematics and science teachers. For example, Professor William Bennie, director of the educational placement service for the University of Texas College of Education, maintained that there was already an overall shortage: "We could place every graduate we have if they were willing and able to move in where the jobs are."

Arni Dunathan, professor of education at the University of Missouri, Columbia, asked 986 school superintendents in nine midwestern

states about their teacher employment position and found that nearly half believed there was a shortage which should be remedied by an expansion of teacher training programmes.

The employment position of science and mathematics teachers is particularly controversial. Perceptions of school, college and department of education faculty, administrators and education association officials indicate a dramatic problem is at hand, however. National Centre for Education Statistics data contradict this perception, indicating instead a relatively balanced supply/demand situation troubled only by spot shortages. The American Association of Colleges for Teacher Education said in a bulletin to members:

"The union, like the centre, does not believe that there is currently a shortage of maths and science teachers. Its new 1979 report said supply exceeded demand by about one third in both fields."

But many specialized and regional reports tell a different story. According to a survey by the American Association of Physics Teachers, 3 out of 40 state education departments believe there is now a shortage of physics teachers, which is "slight" in 23 states and "severe" in 14. Thirty of the 40 predicted a severe shortage by the late 1980s.

Education professor Larry Watson and Norman Anderson of North Carolina State University say that the supply of new science and maths teachers is "far below demand, both in North Carolina and the nation". They estimate the supply gap in their state at about 40 per cent.

Most teacher college staff agree on the main cause of the problem: A. Michael Mahaffey, associate professor of mathematics education at the University of Georgia, put it like this: "It's difficult to encourage people to go into such education when industry pays twice as much as what is glimmering teachers earn."

## Peace study excites veteran campaigners

George Washington wrote in a circular to the states in 1783, "there can be little doubt but Congress will recommend a proper Peace Establishment for the United States".

He was wrong, but nearly 200 years later Congress did establish a temporary body called the United States Commission on Proposals for the National Academy of Peace and Conflict Resolution.

Established with a United States \$500,000 (£250,000) approximately, budget, the 15-member body is studying this year investigating the need for, and feasibility of, a national peace academy. Despite its public hearings in 12 cities across the country, the enterprise has virtually escaped the notice of the American media. However, it has excited academics in the growing field of peace and conflict studies.

Not that everyone working in the area wants a National Academy of Peace and Conflict Resolution. The commissioners have heard testimony from scholars like Kai Schenck, a professor of history at Kenyon College, who said any available funds should be spent strengthening existing institutions rather than building a large-scale academy. Another view, voiced, for example,



Commissioner Elise Boulding (left) and two others hear the evidence

by Ronald Givens, chairman of the peace studies programme at Southern Illinois University, Edwardsville, was that it would be better to create an international peace academy, perhaps under United Nations auspices.

But a majority of the faculty members who run an estimated 80 peace studies programmes in American colleges and universities seem to be in favour of a free-standing National Academy of Peace and Conflict Resolution, financed by the federal government as a supplement to its existing war colleges and four military academies. The leading academic proponents of this view are the famous husband and wife peace campaigners Kenneth and Elise Boulding.

Norwegian-born Elise Boulding, who chairs sociology at Dartmouth

College, is the only female member of the commission. British-born Kenneth Boulding, professor of economics at the University of Colorado and the man responsible for establishing peace and conflict as an academic field in the United States, is shouting encouragement from the sidelines. He believes the peace academy should be established close to Washington DC, associated with a major university, and "should combine teaching and research in the tradition of great universities".

Congress told the commission, which is chaired by Senator Spark Matsunaga of Hawaii, to assess the effects of a new academy on existing institutions of higher education and also to consider alternative approaches to the promotion of peace and conflict resolution, such

as grants to existing programmes, or an international initiative. But when the commission produces its interim report at the end of this month, it is expected to propose an actual academy with educational and research functions.

The final report, with detailed recommendations about the shape and funding of the academy, due by the end of the year. The commission has not yet considered how much government money would be needed to support it, but presumably the budget would have to be several million dollars a year. The Department of Defence spends that much less than an hour, but even so, Congress may be reluctant to create an academy that critics would unfortunately see as yet another unnecessary expansion of the federal bureaucracy.

## Doctor resigns in academic fraud row

The new chairman of the department of medicine at Columbia University has resigned, following accusations that he failed to deal adequately with plagiarism and falsification of data by a junior research partner at his old institution, Yale University.

Dr Philip Felle is the most prominent victim so far of what seems to be a growing incidence of academic dishonesty in medical research. A six-member Columbia school faculty committee recommended unanimously that Dr Felle "not be continued" in his appointments as professor and department chairman, and director of the medical service at the Columbia Presbyterian Medical Centre. The committee accused him of "ethical insensitivity and the application of unacceptable standards to scientific research", which "has seriously damaged the reputation of the department".

The first revelation in a long series of articles in the New York Times, are very complicated. Here is a simplified version.

Last in 1978 the New England Journal of Medicine sent Dr Felle a letter for review and comment on a paper by Dr Felle and a junior member of the Yale medical staff, William Somers, which had been published in the journal. Dr Felle's knowledge, Dr Somers made a copy of the paper, and subsequently admitted the plagiarized parts of it and (re-

printed them in a paper of his own, which he and Dr Felle then submitted to the American Journal of Medicine.

The American Journal of Medicine happened to send the Somers paper for review to the Institute of Health, which had written the original New England Journal article. Dr Felle's review, which he signed as "Philip Felle", was not completed until February 1980, a month after the audit of the paper. However, the American Journal of Medicine had published the paper, and after Dr Felle had accepted the Columbia appointments.

The committee found that the original research by Dr Somers had included, but plagiarized material and some apparently falsified data. When Dr Somers was confronted with these findings he refused to admit the plagiarism and, according to the New York Times, he resigned and returned to his home country.

A second auditor then looked at five other papers by Dr Somers and found that they contained the same plagiarized material. Dr Felle and two other Yale researchers, who had published a total of nine papers with Dr Somers, to

write to the journals in which they appeared, warning the scientific community about the doubts that now surrounded them.

By then the medical faculty at Columbia had become aware of the scandal, and they hurriedly set up an investigating committee that recommended Dr Felle's removal at the beginning of this month.

Dr Felle's resignation was announced in June. In essence they told him to leave the following day. Dr Felle's review of the original article at Columbia about the allegations against his paper with Dr Somers last year before his appointment to Columbia, was not investigated. Dr Felle did not investigate to grasp the significance of the plagiarized facts, and that he allowed Dr Somers to visit Columbia in January 1980 as a candidate for a permanent position.

The documents obtained by the New York Times show that, before resigning, Dr Felle prepared a point by point rebuttal of the charges against him.

Dr Felle's former colleagues at Yale seem to share his view that his new colleagues at Columbia made an unjustified accusation against him. They have welcomed him back to his old professorship there.

## Biologist breaks clone guidelines

University of California biologist Samuel Kennedy set up an experiment to clone the rare Sindbis virus. But, through an accident that has not yet been explained, he actually cloned another, more dangerous virus, the semliki.

Dr Kennedy's mistake was the first such violation of the guidelines for cloning and recombinant DNA research laid down by the United States Government through the National Institutes of Health. Fortunately he was working in a high-security biological containment laboratory at UC-San Diego, which is, in fact, suitable for cloning dangerous "Class 3" pathogens such as the semliki virus.

The work has been stopped temporarily while an investigation takes place. Dr Kennedy's negligence is viewed as "a serious breach of the guidelines" by the NIH. It is unlikely to be penalized.

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## Carter orders greater black participation

President Carter has ordered a government-wide effort to increase the participation of the United States' 100 predominantly black colleges in federal programmes.

This executive order makes Education Secretary Shirley Hufschmidt responsible for implementing an initiative to "identify, reduce and eliminate barriers which may have unfairly resulted in reduced participation in, and reduced benefits from, federally sponsored programmes".

The education secretary is to set annual goals for each government agency, from the State Department to the Department of Agriculture, to involve historically black universities and colleges in its contracting and granting programmes. The order establishes an elaborate reporting procedure to make sure they keep up to their targets.

Mr Carter set up a showy ceremony on the South Lawn of the White House, at which he signed the order in front of an audience of prominent black Americans. Some cynical observers felt it was primarily a political ploy to help rally wavering blacks behind the President's re-election bid. If so, it succeeded in the case of Benjamin Mays, the duyen of black education in the United States.

Dr Mays, who was president of Morehouse College from 1949 to 1967 and is still an active director of the United Negro College Fund, followed Mr Carter and Mrs Hufschmidt on to the South Lawn podium and declared: "It is a considered judgment that the black people of the United States have a history of the United States that includes Lincoln."

President Carter said his order was a necessary follow-up to a memorandum he sent round government departments in January, asking them to do more for black colleges.

"We have added a model increase (about US\$30m) in the allocation of federal resources to black colleges of our country," President said. "I have not been satisfied with that progress. I want a person specifically charged with the responsibility of seeing that every possible way that we can legislate can participate more fully in federal programmes to strengthen what we do, to give you a more sound economic status, and to give your students a better life in the years to come."

Education Secretary Hufschmidt has been campaigning more actively for Mr Carter than most of his Cabinet, replied "during the past year and a half, all the necessary data have been gathered. The full scope of the problem has been analyzed, and agencies throughout the government have been made aware of your concerns. Mr President. Now, with an order that carries the full force and authority of law, we look forward with confidence to carrying out your intention."

Overseas News

# Ministers agree to planning links

from John O'Leary

COLOMBO  
New moves to encourage universities to take a lead in higher education and to relate their work more closely to national planning and development are proposed in the final report of the Commonwealth Education Conference, which ended here last week.

Ministers from some 30 Commonwealth countries agreed to recommend a special meeting of experts and representatives of governments and universities to examine the possibility of more cooperation. As well as fostering more extramural activities for past students, the ministers hope a meeting of minds could lead to full-time courses more relevant to manpower needs.

Although the recommendation is only one of 97 made at the Sri Lanka conference, it is likely to receive high priority when the Commonwealth Education Liaison Committee, chaired by Sir Roy Marshall, vice-chancellor of Hull University, meets to agree a plan of action by the secretariat. The relevance of higher education and the increasing importance of non-formal programmes received particular attention during the conference.

Because of the vast spread of activities covered by the label of non-formal education, ranging from basic literacy programmes to the degree level, universally appropriate initiatives were difficult to find. The involvement of the universities was one of the few concrete proposals pertinent to the majority of member states.

In another attempt to link institutions of higher education with the needs of developing countries, the conference also recommended the compilation of a directory of courses and degree programmes in development studies within the Commonwealth.

Two more surveys are planned within higher education as part of the continuing work of the Commonwealth secretariat. The first will see the updating of previous work on the improvement of teaching in universities. Officials meeting in the first week of the conference recommended that the limited

scope of the secretariat in dealing with academic questions made the continuation of this work inadvisable, but ministers were keen to see some non-development action proposed.

A more exhaustive review was recommended to reassess the operation of the Commonwealth scholarship and fellowship plan. It is 10 years since the last review and ministers wanted to see an evaluation of its success in meeting its objectives and of its relationship to other bilateral and multilateral schemes. A report will be prepared for the next Commonwealth conference in three years' time.

Among the concerns about the present operation of the plan was the low proportion of awards going to women. Throughout the 21 years in which the plan has operated, only 11 per cent of awards have gone to women and new scholarship agencies will be encouraged to nominate "an adequate number of women applicants".

There was general agreement that Britain had escaped lightly on the question of fees. Mr Mark Carlisle, Secretary of State for Education, promised nothing and yet seemed to satisfy at least most of the Asian representatives.

He was left in no doubt about the importance of British higher education to the Commonwealth, despite the absence of a number of the smaller member states, which inevitably rely most heavily on places for their students abroad. But there was no indication that the Government is prepared to make more than minor concessions in a year's time.

Mr Shridath Ramphal, secretary-general of the Commonwealth secretariat, said after the conference that the discussions had brought a recognition that, while the setting of fees was a matter for national government, it did impinge on the vitality of the Commonwealth and the continuance of the close links built up by generations of young people.

Rather than seeing the erosion of the Commonwealth's resources by some, Mr Ramphal said the conference could well mark a strengthening of relationships born out of a recognition of their value.



Iranian students barricading themselves in the entranceway of St Peter's Basilica to protest at the arrest of fellow students in Britain and the United States.

## Iranian students stage Vatican protest

from Uli Schmeizer

ROME  
The day the students of the Ayatollah Khomeini carried the Islamic revolution to the gates of the Vatican Italian officials learned that no logic is as powerful as illogic.

The "affair" began under the portico of Saint Peter's when 22 Iranians, allegedly members of the growing contingent of Iranians studying in Italy, stormed the sepulchre of the Apostle Peter demanding that Pope John Paul II intervene to stop Israel turning Jerusalem into its capital.

Burly Swiss guards and Vatican security police, aided by enraged worshippers, quickly subdued the demonstrators. They even managed to cut the chains of one hard-liner who had handcuffed himself to an iron railing.

Struggling and invoking Allah and the great Ayatollah the students were carried across Saint Peter's Square and handed over to Italian police.

Later on the 22 issued a statement which said: "Thus collaborating with Vatican police, all of them Zionist and American agents, have insulted Islam and the Ayatollah Khomeini..."

By then embarrassed Italian police were already trying to be rid of the hot potato the Vatican had dumped in their lap. None of the 22 were charged, all were promised instant release if they would, kindly give their names.

This is where the real trouble began. The 22 Islamic stormtroopers (among them two veiled women) were intransigent: "We are all called Ali," they chorused.

A night in the "cooler" did not dampen the revolutionary zeal, stoked by the Iranian embassy in Rome which haughtily demanded the instant release of "our brothers and sisters".

Hashty shoved before a court next morning the 22 were charged with Article 495 of the criminal code referring to the withholding of one's true identity.

The magistrate, a kindly man probably briefed by a government, patiently aware there are 6,000 Iranian students expected by the beginning of the next academic year in October, refused to sentence the nameless defendants.

The next step was an amiable Italian appeal to the Iranian embassy. The "brothers and sisters" would be released at once if the embassy could guarantee their identity. It couldn't.

At this stage police reluctantly proceeded to fingerprint and photograph the nameless demonstrators, not an easy task in the case of the two women who wore the chador (veil).

In Tohoran meanwhile chanting student mobs continued to besiege to the apostolic office of the Vatican while newspapers whipped up public compassion with hair-raising accounts of how the 22 brothers and sisters were locked in dirty cells with common criminals, even shut up in the prison lavatory.

To make matters worse the 22 went on a hunger strike. Not that it was the first time Italian authorities were subbed by an impromptu Iranian Ramadan. Last month 25 Iranian students at Portugal's university for foreigners went on hunger strike when the education ministry refused them permission to enrol for a course that had begun four months earlier.

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## Finns propose 'catch-up' course to bridge academic gap

from Donald Fields

HELSINKI  
A Finnish Ministry of Education report proposes that Finns who graduate at Swedish universities and then return home should be given supplementary courses before they seek jobs.

Implementation of the proposal, which is based on evidence that Swedish degrees are of considerably lower quality than their Finnish equivalents, would be followed with interest in other countries experiencing substantial outflows of students.

Compared with the 82,000 undergraduates in Finland, there are about 5,000 Finns studying in Sweden. Many of the latter belong to Finland's 6 per cent Swedish language minority. But Finnish speakers are also able to put their extensive knowledge of Swedish to advantage on the west side of the Gulf of Bothnia.

A survey published in Akava, organ of the Central Organization of Professional Associations in Finland, shows that many Finns who study in Sweden find the level of competence required in public administration at home.

The speakers were united in their condemnation and outspoken in their criticism of recent political agitation involving university students. The deans were fearful of the consequences of the meeting of the University of Mexico Employees' Union, and the recently announced threat by the latter organization of a nationwide strike that could paralyse all Mexican universities.

The consensus of opinion of Mexican deans was that "liberty is not libertine" nor does university freedom and autonomy spell weakness before subversion. The educators agreed that the infiltration of political parties into many Mexican institutions of higher learning will breed "trouble and not progress" with this rioting against the best interests of students and the long-range goals of the nation.

as a second choice. Others are attracted by better job prospects and higher pay in Sweden after completion of studies. Following the imposition of a 10 per cent ceiling on the foreign student population in Swedish universities their numbers are likely to fall.

Officials anticipate that the homeward movement of Finnish graduates will peak between 1981 and 1984. During that period, it is suggested, social and natural scientists and technologists should be given extra instruction at Finnish universities specializing in their respective disciplines. For holders of Swedish BSc(Econ) degrees, 18-month courses in distictively Finnish methods of taxation and auditing are proposed. Linguists, for whom demand is declining, may be recommended to supplement their degrees with a secretarial or "cultural" diploma.

Admitting that too little is known about Swedish standards in Finland, the report urges a speedy evaluation of the extent to which academic qualifications obtained abroad match the levels of competence required in public administration at home.

## Deans oppose party politics in universities

from Emil Zubryn

MEXICO CITY  
The annual meeting of the Association of Universities and Schools for Higher Education, celebrated at the Benito Juarez State University in the city of Durango, agreed that Mexico does need dissonance to strengthen its political ideologies and goals.

University deans, attending the talks stressed that while Mexican universities welcome "open dialogue" they stand firm against becoming targets for the Communist Party or any other group which desires to control higher education and use this for political ends and disturbances.

President Jose Lopez Portillo, who attended the event, warned that "political parties have no room in universities". This was the stand of the president, cabinet members, and such educated speakers as Guillermo Soberon, dean of the National University of Mexico, Hector Mayagoitia, dean of the National Polytechnic Institute, and Jose Hugo Martinez Ortiz, dean of the University of Durango.

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## Welfare spending cut back

from Lindsay Wright

WELLINGTON  
Student welfare services developed over the past 20 years in line with the recommendations of the 1959 Parry report on universities in New Zealand, have come under direct threat from the government with instructions that expenditure be cut by nearly two-thirds.

Hardest hit by this latest blow is Victoria University of Wellington where a comprehensive welfare service was built up only this year to help relieve the capital city's acute student accommodation problem.

Nearly a third of the money for the service goes towards the running of the university union building and the remainder supports a team of three physical welfare officers, three counsellors, three careers advisers, three medical practitioners and a part-time psychiatrist, crèche

staff, a director of welfare services supporting a secretarial staff for a campus with 7,000 students.

Five years ago the University Grants Committee had recommended that universities consider the introduction of charges for welfare services and some universities followed this recommendation up with charges of between NZ\$5 and NZ\$8.50 (£2.50 to £5) a student each year. The new directive implies over a four-fifth reduction in direct support of the services from the university's own funds.

Under the new arrangement, the university will receive NZ\$53, (£26) a student each year.

Vice-Chancellor Dr D. B. C. Taylor has been asked by the university council to review the funding of the welfare services and has told staff and students that he wants to halve the current level of expenditure and that the nature of existing welfare services staff will be respected.

## Postgraduate pruning provokes professors' ire

from Gij Neave

PARIS  
The latest decision of the Minister of Higher Education, Mme. Alice Saunier-Seïte, to cut back postgraduate studies is meeting with a groundswell of opposition from all quarters in the university world.

The Committee of University Vice-Chancellors (comité des présidents d'universités) has come out strongly and in an effort to counter the minister's decision, has set up a "comité de sauvegarde" to defend the interests of postgraduate students and to give you a more sound economic status, and to give your students a better life in the years to come."

Education Secretary Hufschmidt has been campaigning more actively for Mr Carter than most of his Cabinet, replied "during the past year and a half, all the necessary data have been gathered. The full scope of the problem has been analyzed, and agencies throughout the government have been made aware of your concerns. Mr President. Now, with an order that carries the full force and authority of law, we look forward with confidence to carrying out your intention."

threat to fundamental research in universities.

Particularly galling to vice-chancellors is that the minister did not notify them of her decision before announcing it publicly. Nor did the minister's team of advisers allow them any opportunity of outlining their priorities and objectives prior to putting the latest cuts in operation.

The cutback represents a U-turn in policy over the past decade, when the minister, Mme. Alice Saunier-Seïte, had been advocating a "policy of expansion" of postgraduate studies, and had been urging the opening of new postgraduate courses in computer science, mathematics, physical chemistry and electronics, with a view to studying elsewhere. This in turn will accelerate the brain drain from an area whose industrial base is weak.

According to the sociologists, Alain Touraine, the present measures are designed to lay down a clearer line between what are held to be modern style, but traditional universities dedicated to the priority of economic viability and cost effectiveness, and others which, through more innovative, are concerned

with the economic and cultural life of their regions.

Such a policy, the Socialist Party spokesman on education, Louis Ferrand, has stated, is not just an issue of whether small rural establishments should be kept or abolished in the provinces. It is also a policy which will aggravate the already marked disparities in access to higher education between the regions.

Students in mid study on a course whose validation has no longer been recognised should appeal to the Conseil d'Etat, say lecturers. The Conseil d'Etat, or France's supreme court, administrative justice, has the power to reverse the minister's decision.

One area to be badly affected will be the central region of Auvergne. According to the president of the University of Clermont-Ferrand, M. Pierre Cabanes, the non-validation of graduate studies in computer science, mathematics, physical chemistry and electronics, with a view to studying elsewhere. This in turn will accelerate the brain drain from an area whose industrial base is weak.

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Handwritten note: "The deans were fearful of the consequences of the meeting of the University of Mexico Employees' Union, and the recently announced threat by the latter organization of a nationwide strike that could paralyse all Mexican universities."







# Avoiding the pitfalls of a shotgun wedding

As more colleges face mergers with polytechnics and universities John O'Leary looks at the lessons to be learnt from those taking place

The shotgun wedding has never been considered the ideal start to a happy marriage and there is no reason to believe that higher education should be exempt from this general rule. But, given the pressures on institutions, it is a condition likely to become more common in the next few years.

With financial stringency and rigid course approval policies threatening to squeeze the life out of some of the smaller colleges the option of amalgamation with a university or polytechnic is bound to be attractive when the likely alternative is closure.

Those faced with such a situation would do well to look closely at the small wave of mergers now going through as a result of the first round of cuts in higher education. The results of the merger which amounts to a take-over by a larger, more powerful institution have been amply demonstrated.

The only alternative would have been closure.

Here lies the real danger to colleges going reluctantly into association with a university, as the experience of Shoreditch has also demonstrated. With the change of identity goes the ability to control the shape and character of the new institution. And, while the broad principles of the amalgamation may be worked out to mutual satisfaction, the acid test of staffing and course content have to be a matter for the university or polytechnic.

At Shoreditch College a merger with Brunel University has been on the cards for three years, when Mrs Shirley Williams, as Secretary of State for Education, recommended it in preference to closure. The college's work in training a quarter of the country's teachers of craft, design and technology was considered too valuable to lose, in spite of falling student recruitment.

## Crucial decisions came too late

This has been the case even in the most successful of mergers. At St Luke's College, for example, more than 30 of the staff were rejected by Exeter University on amalgamation, giving rise to admitted bad feeling among many. Professor Ted Wragg, who heads the new school of education, now looks back on a relatively smooth transition, having encountered few of the problems he had anticipated.

In a similar situation, St Bede's College, Durham, was forced to accept fewer posts than expected in the university's new school of education, and also failed to win its own way over the structure of the new BEd degree. Some staff at St Bede's would have preferred to pull out of the merger but the crucial decisions came too late in the process for this to be a possibility.

Now, after doubts on the university side, the near loss of the merger through delays in approval by the University Grants Committee and months of negotiation between Brunel and the Inner London Education Authority, the merger is about to take place. Two years ago there was general agreement that if the college could not survive on its own, Brunel would be the ideal partner. Added prestige from the formation of a university department would aid the ailing specialism of design technology and the secondment of a senior member of Brunel's staff to oversee merger arrangements bode well for a smooth takeover.

With little more than a month to the amalgamation, few of the involved could look back on the final months of the process with total satisfaction. Staff at Shoreditch, many of whom were suspicious from the start, feel badly treated by the number of posts offered to them and apprehensive about the balance of the new department; those involved in the ILA have been left with the task of renegotiating details of staffing and coping with a row over the

appointment of the authority's staff inspector to the new department; and the university has faced criticism both from the college and from its own staff on different points.

The college staff, having reached such a pitch of frustration that they voted unanimously to ask Dr Rhodes Boyson, under-Secretary for higher education, to intervene, are now resigned to accepting a *fait accompli*. They have been given only 14 posts in the new department, rather than the 35 they originally hoped for or even the 20 promised later. The number in the offered short term contracts to new out of the University of London courses remained in doubt up to the last day of the summer term, as did the length of the contracts and the courses covered in them.

## Doubts about staffing balance

Originally, 17 Shoreditch staff were offered one-year contracts in spite of the fact that the London courses still have two years to run. The situation had to be retrieved in new talks involving Mr John Bevan, further education officer of the ILA, who faced some tough questioning at Egham on the authority's role in the merger arrangements.

Doubts persist about the staffing balance in the new department at Brunel. Only one specialist in wood has been recruited, for example, when this remains the most common specialism among school leavers studying design technology. Concern has been expressed by the conference of lecturers in craft and design education both over numbers coming from Shoreditch and the alleged imbalance of specialisms.

The target figure of 350 students now seems a pipedream, with fewer than 50 likely to form the first

year of the new course, more than 120 applications. Shoreditch had put much time and effort into promoting the college, ensuring the largest possible proportion of the 500 to 600 A level students in craft, design and technology came to the college, an approach.

There are also doubts about the compatibility of the main specialisms' approach in the subject. Shoreditch has always been strong in craft, side while emphasizing the education content of its course. Brunel is seen as a technology centre which may shift the emphasis towards engineering. The department's first head, Professor Ben Myers, fits into neither camp with a background in design at Royal College of Art.

Dr Stephen Hogg, vice-chancellor of Brunel, is unequivocal in his support that it will make a significant contribution to improving the shortage of teachers in an important subject area. But the staff of Brunel give little hope for the immediate future, with difficult decisions on the expansion of staffing in the department.

The Shoreditch experience, it is the kind of attack that geophysicists or historians do not have to face, and it usefully reminds the scholar of literature of the peculiar difficulties and responsibilities of his subject. But is it true? Does a survey of the academic periodicals (I exclude the "little magazines" and serious organs like the TLS) bear out the charge that the academic study of English has become divorced from literature as a living force, that neither criticism nor scholarship are motivated by love, enthusiasm, or the disinterested pursuit of learning, but by a blind and bloodless academicism that could (to borrow Anne Smith's example) employ itself as readily in the Pigeon Fancy Gazette as in *Essays in Criticism*?

# A new future for the past

Museums and galleries must change their image and play a greater part in the community, says a new book

Museums and art galleries should become far more dynamic and innovative and pay attention to a far greater number of people.

They must avoid controversial issues and should act as peacemakers by constantly confronting their public with themes relevant not only to the past but also to the present and the future.

These are the main conclusions of a new book on the role of the museum and art gallery in education, by Dr Alan Chadwick, deputy director of the department of adult education at Surrey University.

With the purpose of the study about part of the subject, Chadwick's conclusions drawn 50 years ago about the role of museums in education may still be relevant.

In 1931, *Boards of Education* reported: "It may be suggested that the word 'museum' is perhaps in past responsible for the present unsatisfactory state of affairs. Does it not suggest a stagnating, decaying institution, the resting place of travellers' regiments of fossils, which have undisturbedly survived from prehistoric times? The existing prejudice is deeply rooted in the tough soil of our language and in the popular mind."



More steps should be taken to attract the public into the museums.

Reporting published since then has confirmed Chadwick's conclusions. The museum and art gallery have been criticised for being too static, too much concerned with the preservation of objects, and too much concerned with the display of objects. Chadwick's study is a timely reminder of the need for museums to change and to play a more active role in education and in the community.

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There should be no change of mission. The present function of museums, as Dr Chadwick says, is to provide a place where the public can learn about the past and the present. This is a function that museums should continue to perform, but they should also play a more active role in education and in the community.

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Local government, however, has not generally provided the financial backing needed for museums to play a more active role in education and in the community.

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Charlotte Bury

In our continuing series of articles on academic journals Tom Cain inspects the huge range of publications serving the field of English Literature and Language

# The plant and the industry: a question of priorities

Writing in the first number of *The Literary Review*, one of the new reviews that sprang up during the absence of the TLS, Anne Smith attacked the state of English studies, and of academic periodicals associated with them. The academic study of English literature had, she argued, "grown so far from its parent plant, the sheer enjoyment of reading, as to have become a sterile and unrecognisable hybrid. Scholars and critics had taken from Lewis his elitism, but not his fierce commitment and sense of moral purpose; the great writers had become great 'industries' out of which academic careers could be made, while other careers were made by setting out to monopolise an obscure corner of literary history and to publish as much as possible on it. Hence, she argued, 'What was once a common pursuit in which all the intelligent reading public could share has become a stagnant area of dusty specialisation, the language of the language, which has, ironically, become less and less a language of communication, more and more an exclusive jargon.'

It is the kind of attack that geophysicists or historians do not have to face, and it usefully reminds the scholar of literature of the peculiar difficulties and responsibilities of his subject. But is it true? Does a survey of the academic periodicals (I exclude the "little magazines" and serious organs like the TLS) bear out the charge that the academic study of English has become divorced from literature as a living force, that neither criticism nor scholarship are motivated by love, enthusiasm, or the disinterested pursuit of learning, but by a blind and bloodless academicism that could (to borrow Anne Smith's example) employ itself as readily in the Pigeon Fancy Gazette as in *Essays in Criticism*?

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I do not want to seem to be rejecting the charges too complacently. There are certainly too many articles in the periodicals which are merely contrived, answers to questions which no one has asked, or is ever likely to ask, and for which one can see no motive save a desire to appear in print. There are certainly too many of which one would want to say, not that they are written in an exclusive jargon, but that they are badly written, that it is impossible to read them without feeling that the writer has never read a book, and that they are a waste of time. But these, while too many, are still only a relatively small proportion of the thousands of articles and reviews that appear each year in the English periodicals. It is the word here that I want to use to describe the subject, not the country, although it is on largely for concentration. The motivation for many of these articles is not, as Chadwick says, a desire to play a role in the community, but a desire to play a role in the community.

There are also doubts about the compatibility of the main specialisms' approach in the subject. Shoreditch has always been strong in craft, side while emphasizing the education content of its course. Brunel is seen as a technology centre which may shift the emphasis towards engineering. The department's first head, Professor Ben Myers, fits into neither camp with a background in design at Royal College of Art.

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avowed aim is actually to "limit the proportion of more narrowly specialist material" and to reach a wider readership. Although focusing on a single topic can hardly be said to have done the former, it may well do the latter by giving a coherence, formerly lacking, although it means that what we are dealing with is now as much a book as it is a periodical. Nottingham University's *Renaissance and Modern Studies*, another annual, has also gained from grouping articles around a particular theme or period, notably in its recent "Renaissance and Reformation" number. In America, Rice University's *Studies in English Literature* (SEL), which already confined itself to the years 1500 to 1900, has adopted the same policy, while many other journals publish occasional "special numbers" on a particular author or topic much more frequently than used to be the case.



Some of these, like the two issues devoted recently to Bellow and Nabokov by *Modern Fiction Studies*, exemplify the same tendency to turn contemporary authors into subjects for an academic industry, rather than critics to work on as such. Existing only to let a small body of scholars cultivating a particular corner of the garden of English studies know what their fellow scholars are doing, in some cases they are patently uncritical and over-specialized, but as long as they remain modest tools for research, as long as they exist merely to give notice of what has been published elsewhere and to exchange information, they have a useful role to play. The American *Seventeenth Century News* is a good example of what a newsletter ought to be. Like most newsletters it publishes reviews, short notes and abstracts of articles. It does not try to do these out with longer, more pretentious articles, and since it covers an area of great richness and diversity it can hardly be said to be narrowly specialized, an accusation which could more reasonably be levelled against those (there are more than one) devoted to C. S. Lewis.

Their editors and contributors may, of course, feel that the Prayer Book was already dead, or that its demise was merely a matter for the Church of England. But one doubts if this is the case: the reason for its inclusion in the *Quarterly* is that its editors felt it to be a philistine blow to the literary culture of which their contributors are supposedly the guardians is more likely to be that it was not felt to be a strictly "academic" issue. Perhaps it would be too strong to call this a "tradition des clercs", but there can surely be no question that it is a weakness that the largely uncommitted ethos of the academic periodicals works against its engaging with literary issues that have the kind of wide cultural implications that the Prayer Book controversy raised. They rarely have an editorial, or any other section in which such issues can be aired, and contributors often have to wait a long time before their contributions are printed that discussion of current problems is impossible.

The suggestion of a somewhat complacent academic isolation from the culture in which the literature of the time is written, again to the question of over-specialisation. The main ancestors of the modern English periodicals, the great journals of the 19th Century, were very clearly neither specialized nor isolated. Indeed, the material they published was so diverse that they were not strictly speaking literary journals at all: periodicals like *The Edinburgh and The Quarterly*, *The National*, *The Westminster Blackwood's*, *The London Magazine*, and *The Athenaeum*, all aimed at a general readership, and their treatment of issues of current, but not necessarily of literary, importance, addressed themselves to a correspondingly sophisticated audience. It may be that that audience has been idealised by some modern scholars, but in however imperfect a form it clearly existed in a way that it does not today. This range, length and quality of the articles which it was offered was quite unusual for its time, and it is a modern counterpart, for the periodicals that have succeeded them have in almost all cases grown more and more specialized or more journalistic, literature becoming either their whole raison d'être or being relegated to short reviews in the small print of the last few pages.

The movement towards specialisation, but still not isolation, is evident in the two most famous periodicals of the earlier part of this century, T. S. Eliot's *Criterion* (1922-1939) and V. R. Leavis's *Scrutiny* (1932-1953), both of which were more exclusively literary than their predecessors. *Scrutiny*, arguably, the most distinguished and certainly the most influential literary periodical since the *Edinburgh* and the *Quarterly* were in their heyday, contained more criticism, and less to do with the exchange of scholarly information in short, unpretentious reviews, which, published by the Cambridge University Press, was by Lawrence Joyce, a student of Pound, Wyndham Lewis and Auden.

as well as by Eliot himself. In this sense, in its close relationship to the Cambridge English Tripps, and in the nature of its audience, *Scrutiny* might be said to be the more academic of the two, though the adjective is not one its editors would have welcomed unequivocally. Dominated as it was by a great critic who had learnt from Arnold as well as from Eliot, and who grew if anything more and more preoccupied with the decay of the culture in which he believed so passionately, it was certainly never academic in the sense of isolating the study of literature from the society in which that literature had its continuing life.

*Scrutiny* has had 'one or two direct descendants'. The short-lived *Human World* (1970-74), founded by Ian Robinson, was fiercely Leavisite, and somewhat broader in its range than *Scrutiny*, but never really approached the same distinction. *Convergence Quarterly*, founded in 1965, is also very close to Leavis in its values, and though it has made a conscious effort to avoid being seen as simply a continuation of *Scrutiny*, it inevitably has an air of predictability of *deja vu*, about the range of its issues. The leading British periodicals, *Essays in Criticism* and *Critical Quarterly*, are in their different ways more distant, related to *Scrutiny*. *Essays in Criticism*, founded in 1951 by F. W. Bateson, was quite explicitly conceived as an Oxford counterpart to the Cambridge based *Scrutiny*. Bateson's aim was a critical journal which was also based on solid scholarship, half-way, as he put it, between *Scrutiny* and the *Review of English Studies*. It has on the whole, been a success, though not on the scale of *Scrutiny*. It has high editorial standards which mean that although it follows no particular line, political or critical, it is probably the most widely respected of the British periodicals. Apart from the usual long articles, it has the virtue of publishing more thorough reviews than most, and a *Critical Quarterly* section which allows for debate of issues raised in previous numbers. This last feature, which is the most interesting contribution of all, as for example in the case of Quentin Skinner's excellent recent discussion of Raymond Williams's *Keywords*.

It has always been common to be slightly patronising about *Critical Quarterly*, provided over by C. B. Cox, perhaps because it has often had at least half an eye on the undergraduate and even sixth form reader. This attitude has, I think, become much more justified over the last two years than it ever was earlier, when concentrating largely but not exclusively on the state of modern English literature, it published a good deal of this poetry, as well as essays and reviews of a high standard, and gave a stronger impression of being a serious journal than any other British academic periodical of having its fingers on the pulse of contemporary literature. Since 1978, however, it has returned to its original aim of reaching a wider audience outside the universities, and has addressed itself to 'sixth formers, their teachers and undergraduates'. It may be that the editors are right in thinking that there is a need for such a journal, but the simplifications which seem necessary to accompany this new policy mean that the sixth formers' gain is the more advanced reader's loss. *Critical Quarterly's* change of direction leaves a substantial gap in the range of the British periodicals.

Journal of considerable distinction which has survived largely unchanged for rather longer, and which has nothing whatever to do with the *Scrutiny* tradition, is *Notes and Queries*, founded in 1880. Now in its 225th volume, it is a venerable and exclusive English-orientated journal, losing a certain amount of spleen and eccentricity in this process (there too one sees the move towards specialisation), and now appearing six times a year instead of once a week. Its first, though not its last, career it has the most influential literary periodical since the *Edinburgh* and the *Quarterly* were in their heyday, contained more criticism, and less to do with the exchange of scholarly information in short, unpretentious reviews, which, published by the Cambridge University Press, was by Lawrence Joyce, a student of Pound, Wyndham Lewis and Auden.















# NOTICE BOARD

## Grants

**Math**  
School of Mathematics and Social Sciences—£19,000 from the SRC to make computer simulations for a study of the reasons why more able young people, particularly girls, do not go into industrial engineering, under Professor Stephen Colgrove.

## Exeter

Psychology—£18,743 from the Health Education Council for a project on aesthetic research in health education, under Professor J. R. Eiser.

Centre for European Legal Studies—£30,000 from the Leverhulme Trust to provide a research fellowship for a study of the development of national laws in the EEC, under the direction of Professor D. Laak, director of the centre.

## London School of Economics

Social administration—£42,599 from the SRC for a survey of resource allocation in the social services, under Mr Howard Glenister.

## UMIST

Mathematics—£21,000 from the SRC to make computer simulations to find out more about the thin gas which exists in the dark spaces of galaxies that may be 100,000 light years across, under Dr David Williams.

## Sussex, University College

Chemical Engineering—£66,000 from the SRC for continuation of research into the transportation of solids, as a suspension in water.



Portsmouth Polytechnic has decided to recognise outstanding academic merit and leadership qualities through the creation of professional appointments. It has now conferred the title of professor on the following: Mr Geoffrey Broadbent, head of the school of architecture, Mr Gareth Jones, reader in biological sciences and Mr John Vail, head of the department of geology.

## Appointments

### Southampton

Readers, conference of the title: Dr C. B. Chapman (accounting and management economics); Dr M. J. Fisher (mathematics); Dr D. M. Hill (politics); Dr J. A. John (mathematical studies); Dr B. S. Westcott (mathematical studies); Senior lecturers: R. S. J. Briggs (geriatrics); Dr K. S. Cliff (community medicine); T. Wheeler (human reproduction); Lecturers: R. I. Dampier (ship science); A. E. W. L. Dampier (adult education); R. J. L.

Murphy (education); Dr J. R. Hodges (medicine); D. A. Boston (orthopaedic surgery); Dr K. Wacelin (chemical pathology); T. Cooke (surgery); Dr C. Lewth and Dr M. D. Jewell (primary medical care).

### University College, Cardiff

Lecturers: M. A. Bialop (anatomy); R. A. Chandler and M. J. Morgan (accountancy and financial control); A. Coles, D. M. Easton, A. Hopkins (centre for journalism studies); D. J. Cook and L. J. Whitehouse (industrial relations and management studies); R. S. Dwyer, P. G. Eddy (human reproduction); Lecturers: R. I. Dampier (ship science); A. E. W. L. Dampier (adult education); R. J. L.

Lewis and J. G. Vissar (education); R. R. W. Post (computing mathematics); D. V. Shepard (plant sciences); N. H. Thomas (David Owen Centre for Population Growth Studies).

### Cambridge

Teaching fellows: C. D. Correll (defence studies, faculty of history); R. A. Chandler and M. J. Morgan (accountancy and financial control); A. Coles, D. M. Easton, A. Hopkins (centre for journalism studies); D. J. Cook and L. J. Whitehouse (industrial relations and management studies); R. S. Dwyer, P. G. Eddy (human reproduction); Lecturers: R. I. Dampier (ship science); A. E. W. L. Dampier (adult education); R. J. L.

Edwards, M. J. Jenkins, M. M. J.

## Noticeboard is compiled by Patricia Santinelli and Milla Gole

## Forthcoming events

"Course for Lecturers" designed to help teachers in higher education prove their teaching methods, compiled by the University Teaching Units of the Institute of Education, London WC1H 0NU.

## Recent publications

Teaching and Instruction: a new and list of resources for teachers and trainers compiled by the University Teaching Units of the Institute of Education, London WC1H 0NU.

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## RESEARCH FELLOW IN COSMOCHEMISTRY

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Applications are invited from suitably qualified persons for appointment to the following positions:

## RESEARCH SCHOOL OF EARTH SCIENCES

## RESEARCH FELLOW IN EXPERIMENTAL PETROLOGY

## RESEARCH FELLOW IN COSMOCHEMISTRY

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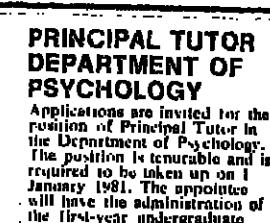
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Applications are invited for the position of Principal Tutor in the Department of Psychology. The position is full-time and is required to be taken up on 1 January 1981. The appointee will have the administration of the first-year undergraduate course in psychology. Experience in the area of experimental design and analysis of experimental data is desirable. Enquiries may be made to the Chairman, Department of Psychology, The University of Adelaide, Adelaide, 5000. Applications should be sent to the Chairman, Department of Psychology, The University of Adelaide, Adelaide, 5000.

## THE UNIVERSITY OF ADELAIDE

## SENIOR LECTURER IN ORAL DIAGNOSIS

## SENIOR LECTURER IN ORAL DIAGNOSIS

## SENIOR LECTURER IN ORAL DIAGNOSIS







## Colleges of Higher Education

# NIHE

National Institute for Higher Education Dublin  
Toms, Nóbisimur, Arvoldenchev, Bulle, Jhu, Clith

The Institute will be characterised by its special attention to the needs of the community and of Irish industry, business and agriculture. It will consequently place particular emphasis on applied studies.

Applications are invited for appointment to the following post within the Faculty of Engineering and Design.

## Head of School of Electronic Engineering

The major course to be conducted initially will be a first degree in Electronic Engineering. In common with the Institute's other courses, it is expected that the graduates of this programme will assist in providing the high-level skills which the Government's expansion programme will require.

**SALARY SCALE (Under Review):**  
£12,750 - £15,000

Application forms are available from:  
Personnel Office, National Institute for Higher Education,  
1 Lower Grand Canal Street, Dublin 2, Ireland.  
Telephone: Dublin 765172.

## Colleges of Further Education

### SEELY OAK COLLEGES, BIRMINGHAM

## HEAD OF SOCIAL STUDIES DEPARTMENT/ PRINCIPAL LECTURER, SOCIAL WORK

Applications are invited for the post of Principal Lecturer, Social Work, to lead a team teaching CQSW Courses specializing in residential and day services.

The successful applicant will also be Head of the Department of Social Studies, which is responsible for other specialised programmes relating to overseas development aid and refugee training. Salary: Principal Lecturer, Birmingham F.E. (under review).

Further details and application form from: The Principal, Seely Oak Colleges, Birmingham B29 6LQ (Tel.: 011 472 4331). (Closing date 5.9.80).

### REDFORDSHIRE

#### WATFORD COLLEGE

Watford, Herts. (Watford 2111)

#### DEPARTMENT OF

#### PROFESSIONAL EDUCATION

#### APPLYING

An experienced teacher with a minimum of five years' experience in the field of professional education is required for the post of Principal Lecturer in the Department of Professional Education. The successful candidate will be responsible for the delivery of the Department's courses and for the supervision of the staff. Salary: £12,000 - £14,000 per annum. Further details and application form from: The Principal, Watford College, Watford, Herts. (Watford 2111).

### Administration

#### LIVERPOOL

#### ADVISED BY THE

#### UNIVERSITY OF LIVERPOOL

Applications are invited for the post of Principal Lecturer in the Department of Professional Education. The successful candidate will be responsible for the delivery of the Department's courses and for the supervision of the staff. Salary: £12,000 - £14,000 per annum. Further details and application form from: The Principal, Watford College, Watford, Herts. (Watford 2111).

### Administration

## THE ASSOCIATION OF CERTIFIED ACCOUNTANTS

Incorporated by Royal Charter

## EDUCATION OFFICER

Applications are invited for the post of Education Officer in the Association of Certified Accountants. The successful candidate will be responsible for the delivery of the Association's courses and for the supervision of the staff. Salary: £12,000 - £14,000 per annum. Further details and application form from: The Principal, Watford College, Watford, Herts. (Watford 2111).

## ASSISTANT ACADEMIC REGISTRAR

Up to £9,593 incl. London Weighting

Applicants for this new appointment should be suitably qualified and experienced.

Principal duties and responsibilities will concern all matters relating to examinations throughout the Polytechnic, taking an active part in the Management Team of the Academic Registrar's Department.

Further particulars of this position are obtainable from The Staffing Officer, to whom applications should be returned by 8th September, 1980.

## Polytechnic of the South East

Borough Road, London SE1 0AA. Telephone: 01-28 8880 Ext. 2023.

## Holidays and Accommodation

## Personal

### IMMEDIATE ADVANCE

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11, Dover St., London W1A 1QJ. Phone: 01-262 284

## Courses

### THE CENTRE FOR

### BUSINESS STUDIES

### Part time and

### Full time Lecturers

Required from September, 1980, for subjects in the following courses:

#### MATHEMATICS

#### SCIENCE

#### TECHNICAL DRAWING

#### ACCOUNTANCY

For further details and application form write or telephone to:

The Principal's Secretary,  
Centre for Business Studies,  
Royal HM,  
Greenwich, London SE10 8RJ  
Tel: 01-853 4484



## General Vacancies

### LONDON

#### IMPERIAL COLLEGE OF

#### SCIENCE AND TECHNOLOGY

#### University of London

#### MANAGER OF THE

#### INSTRUMENTAL COLLEGE

#### OF LONDON

Applications are invited for the post of Manager of the Instrumental College of London. The successful candidate will be responsible for the delivery of the College's courses and for the supervision of the staff. Salary: £12,000 - £14,000 per annum. Further details and application form from: The Principal, Watford College, Watford, Herts. (Watford 2111).

## Overseas

### UNIVERSITY OF

### MELBOURNE

## 1981 FELIX MEYER

## SCHOLARSHIP

Applications are invited for the 1981 Felix Meyer Scholarship which is open to graduates of the University of Melbourne who wish to undertake postgraduate study in literature in any form and in any language.

The Selection Committee shall take into consideration the demonstrated ability and expressed intention of the candidate, as well as the need for the scholarship to be awarded to a deserving student.

The award is for a period not exceeding twelve months but may be renewed for a further twelve months. The successful candidate will not be required to undertake studies for a higher degree, but advanced studies may be taken in approved institutions in the field of the scholarship.

Further details and application form from: The Principal, Watford College, Watford, Herts. (Watford 2111).

## Overseas

# Zambia

Your skills will be welcomed and well rewarded in our young but fast developing nation. We need your help in realising the potential provided by our vast natural resources.

## Ministry of Education and Culture

# Assistant Director

(Inspection)

K7332 x 204 - K7740 (£4073 - £4300)

Supplement up to £12,090 (married),

£8790 (single)

Candidates must be graduates of a recognised university in either Science, English, Technology or Physical Education and have had several years experience as a Lecturer at post-secondary (Technological and applied arts) level.

It is desirable that applicants should also have had experience as an Inspector or as Head of Department with experience in Curriculum Development and evaluation work.

Duties will include supervision of curriculum development, evaluation of student performance and the quality control of programmes at tertiary, technological and teacher training levels. He or she will also be responsible for in-service training programmes for technical teachers and advising on the efficient utilization of teaching and ancillary staff.

Particular attention will be given to liaison with industry and Professional Organisations on matters pertaining to training.

## Strong Financial Attractions

As well as the salary quoted, you will enjoy TAX FREE supplements, a TAX FREE terminal gratuity, low cost accommodation, low taxation, and free passages. Together these add up to exceptional real earnings. Starting salaries relate to qualifications/experience, while gratuities total 20% of basic salary. Salary related supplements (currently under review) are paid by the British Government to designated nationals (annual maximum is shown), while appointment grants, education allowances, car loans, medical aid and free holiday visits for children educated in Britain are also provided for those receiving supplements. N.B. Starting equivalents given are approximations only due to constant exchange rate fluctuations.

For further information please send a personal/professional details (without date) and in total confidence to: Recruiting Office, Zambia High Commission, 7/11 Cavendish Square, London W1.



## Help us to help ourselves

## Universities continued

### NEW ZEALAND

#### UNIVERSITY OF OTAGO

#### CHAIR OF ACCOUNTING AND FINANCE

The University Council in the Department of Accounting and Finance is seeking a person of high calibre to fill the Chair of Accounting and Finance. The successful candidate will be responsible for the delivery of the Department's courses and for the supervision of the staff. Salary: £12,000 - £14,000 per annum. Further details and application form from: The Principal, Watford College, Watford, Herts. (Watford 2111).

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## Overseas continued

## Teaching Appointments in History

## NATIONAL UNIVERSITY OF SINGAPORE

Applications are invited for teaching appointments in the Department of History from candidates who must possess a PhD degree or equivalent and be able to teach in one of the following areas:

(a) The Rise of the Soviet Union from the Revolution of 1917 to Global Power Status.

(b) The Indian Ocean in the 20th century, with special reference to the Diplomatic History of South and Southwest Asia.

(c) Military History of the 19th and 20th centuries. Candidates applying to teach Indian Ocean History should preferably have a knowledge of 20th-century Middle Eastern History. Those applying to teach Military History should preferably have knowledge of the evolution of modern strategic thought, military technology, revolutionary warfare and origins of the two World Wars of this century. Candidates with European/American History background will have added advantage.

Gross annual emoluments range as follows:  
Lecturer, \$22,570-\$44,910  
Senior Lecturer, \$25,520-\$47,205  
Associate Professor, \$28,570-\$50,000

The point of entry depends on the candidate's qualifications, experience and the level of appointment offered. For staff appointed on normal contract, employment on the permanent establishment will be considered after two years' service. Leave and medical benefits are provided. Under the University's Academic Staff Provident Fund Scheme, the staff member contributes at the present rate of 18% of his salary subject to a maximum of \$5400 p.m., and the University contributes 20% of his monthly salary. (The sum standing to the staff member's credit in the Fund may be withdrawn when the member retires in Malaysia permanently.) Other benefits include a gratuity in allowance of \$51,000-2,000 depending on circumstances, subsidised housing at rentals ranging from \$800-350 p.m., passage assistance and allowance for transportation of personal effects to Singapore.

Candidates should write to:  
The Registrar,  
National University of Singapore,  
Kent Ridge, Singapore 0511,  
giving their curriculum vitae and also the names and addresses of three referees.

Closing date: August 31, 1980.

## Miscellaneous

## Assistant Director

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## Union View

# Breathless notes from the border



David Aaronovitch

The Scottish borders are bleak and beautiful. I am here because there are three major advantages to staying in this little cottage on the side of Cushtat Law, near the village of Morebattle. You have to do a lot of walking—and that makes you fit. (I had to walk five miles to post this column.) It's a long way to do your shopping—and that makes you eat more sparingly—and thus lose weight. It's very cheap and therefore there's more money to spend on clothes.

You see, I've an image problem. When I return to take up the leadership of NUS in the autumn I'll be speaking to thousands of today's students. The new first-years, most of them 17 or 18, will be smart, svelt and critical. To con-

front them right at the beginning of their careers as NUS members with a shabby, overweight and breathless leader hardly helps to promote the image of NUS as a collection of human dynamos. So, if all goes well, a little trendy youngster will emerge from a gruelling fortnight and the future of the movement will be that much more assured. To reassure those who think that I'm going to far, I'll forego one of those peculiar floppy belts that they all seem to wear these days.

Many academics, reading this, will find it hard to understand, this preoccupation with image. If this is the case, one asks, why do so many of them assume a uniform of sorts? Who in the academic world would care to pay a pound for every frizzy-haired, bearded, bespectacled lecturer, with patched elbows on faded jackets and a brown corduroy trousers that they've met? Or professors with trousers so baggy that you suspect they are trying to hide some of the more embarrassing symptoms of elephantiasis?

If I'm being self-conscious, in trying to create an "image" for myself, then I'm no more so than many academics in their attempts to obliterate their own. Watch your colleagues on television (have you seen some of those OU broadcasts?) and with the exception of Laurie Taylor and Tessa Blackstone, educational institutions come over as places devoted to careless dressing and flabby unconcern with appearance. Our great scholars seem to look at their audience out of the TV screen and say, "I've got an extremely good brain, and do not have to worry about wearing awful ties—and if you studied under me, you wouldn't either."

There are solutions to these problems. But I don't believe that they would be solved by making ALT and Nafhe accept health-club membership as part of the 19.6 per cent award, or the setting-up of a Committee for the Dressing of University Teachers for the CVCC to try not to fund. They should be solved by my leading a monastic existence for two weeks, either.

At Cambridge a retired colonel has taken up a promise, made during the Second World War, that when he finished with the Army he would be given a place at university. At one of the London polytechnics there is a middle-aged woman who has decided to break out of the trap of under-qualification and take her A-levels. Neither of them are going to be over-impressed by my £10 Kings Road swept-back haircut or super thin glossy school tie (all the rage, I gather). They are, however, in a very small minority of non-student entrants who get into college.

The lack of suitable courses, the extremely unsuitable financial arrangements, the assumptions made in educational institutions, and here I include student unions, that they are catering only for the young—all act as deterrents to the non-standard entrant, and it's difficult to see how the current Government's policies are going to make it any easier for them.

Post-school education will remain vulnerable as long as it is predominantly white, male, middle-class and open only to the young. The majority of people are simply not going to defend it if it is not democratic or accessible enough to satisfy their own aspirations. Models of what was not just a nice place created in unrealistic, expansionist days—it could have been a strategy to defend and develop higher education.

Even without government support there is much that colleges could do to improve their records with regard to the admission and encouragement of those people who traditionally do not enter them. Part of this approach will necessitate looking closely at the image of post-school education, and trying to obtain a closer identification with it on the part of the general public.

A successful adoption of such policies would have two very beneficial results. The first would be the creation of a large and diverse education lobby. The second would be that next summer I could be lying on a beach, full of pasta and local plonk.

The author is president of the National Union of Students.

## The enduring lessons of Sadler

### In some suitable form

### should be continued

### through the critical years of adolescence".

### He saw the centres

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he suggested that education could lessen waste, alike in the use of material, of time and of human service.

It would be interesting to know how the WEA members reacted to these suggestions. Anyone who has worked in schools in our large cities knows how much have become conditioned to the jobs offered by firms in particular localities. When such jobs disappear, there is a lack of adventure in schools in our large cities. Sadler's suggestions, and educational policies tend to be conceived, Sadler argued for a fully developed scheme of adolescent training and education of a kind which neither the 1918 Fisher Act nor the 1944 Butler Act in their recommendations for compulsory part-time education, were able to achieve. The conclusion, which Sadler put before his listeners in justification of his concentration on the young unemployed, was an idealism that is still valid. He saw it as "the highest work of education lay in its influence on social relationships, in quickening the feeling of brotherhood, and in creating a desire for a 'higher quality of human life'."

Having launched this WEA course on such a decisive note, Sadler indicated the topics to be dealt with by those who would follow him in the weeks ahead. There were to be three main themes: *The General Principles of Wages*; *The Effect of Employment of Women on the General Level of Wages*; and *The Effect of Competition by Alien Immigrants*.

Coming after these three sessions would be a further session dealing with *Employment and Unemployment*; *Wages and Combination*; and *Wages Boards and Wages Courts*, comprising the series to the members of the WEA. Professor Sadler told them that one of the chief tasks of a modern university was to extend and co-ordinate knowledge in the spirit of social service. In dispassionate but sympathetic investigations of social problems it was desirable to secure cooperation between the different types of mind trained, respectively, by the school of practical experience and by the studies of a more theoretical kind.

The author is a former warden of Sadler Hall in the University of Leeds.

## J. H. Higginson

The author is a former warden of Sadler Hall in the University of Leeds.



هَذَا مِنْ أَجْلِ